

FIG. 1

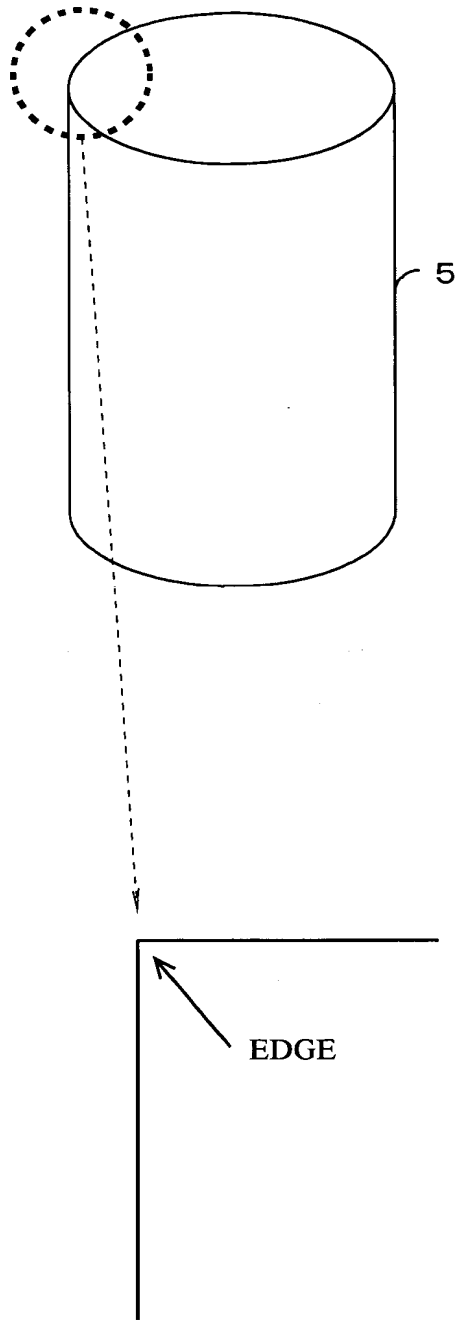


FIG. 2

00003452-031201

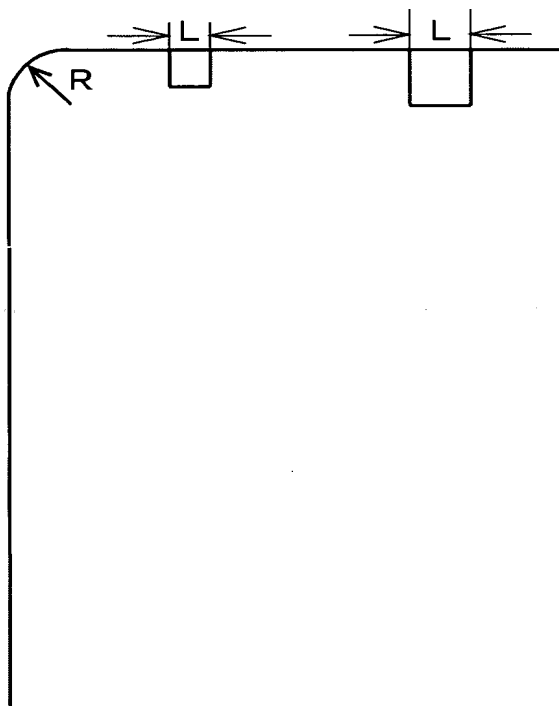


FIG. 3

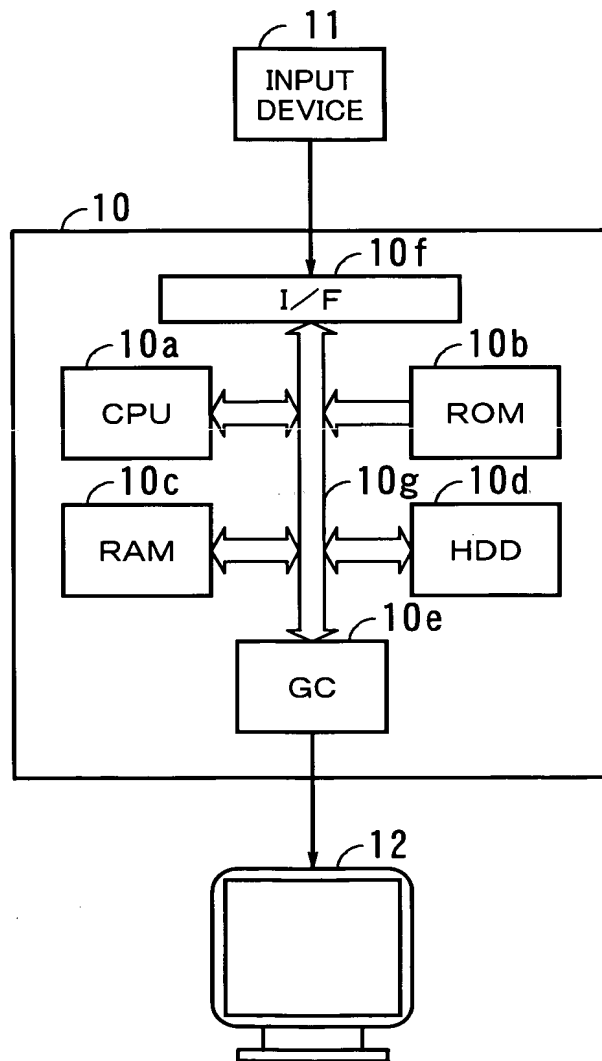


FIG. 4

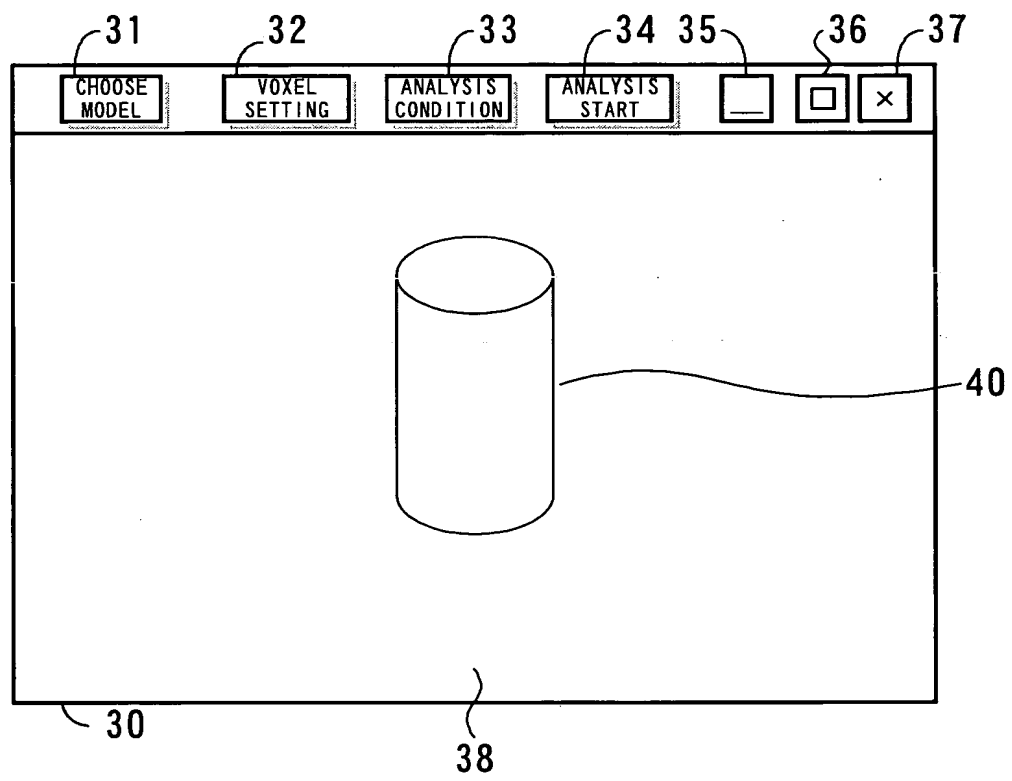


FIG. 5

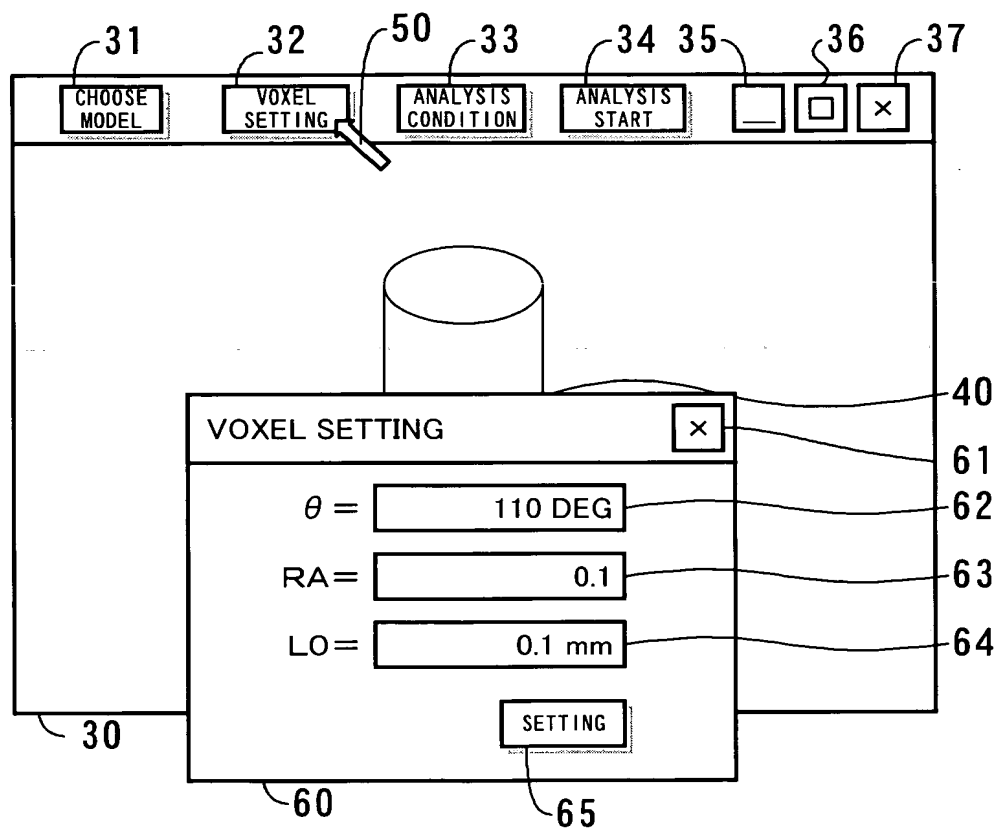


FIG. 6

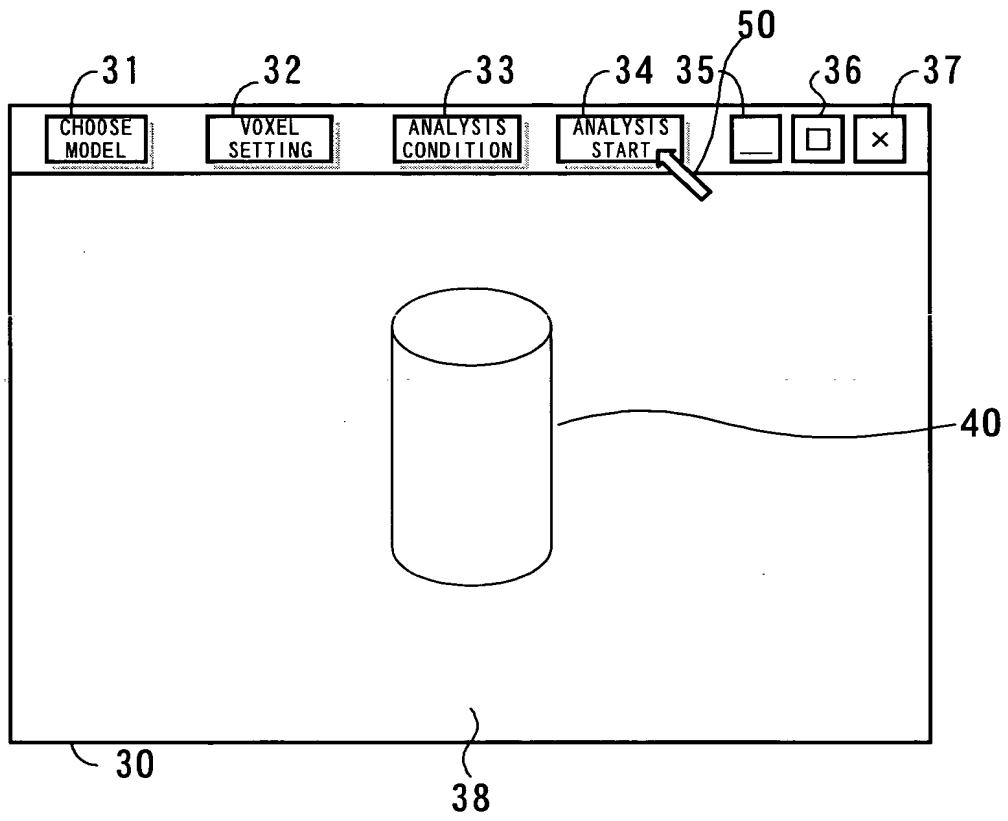


FIG. 7

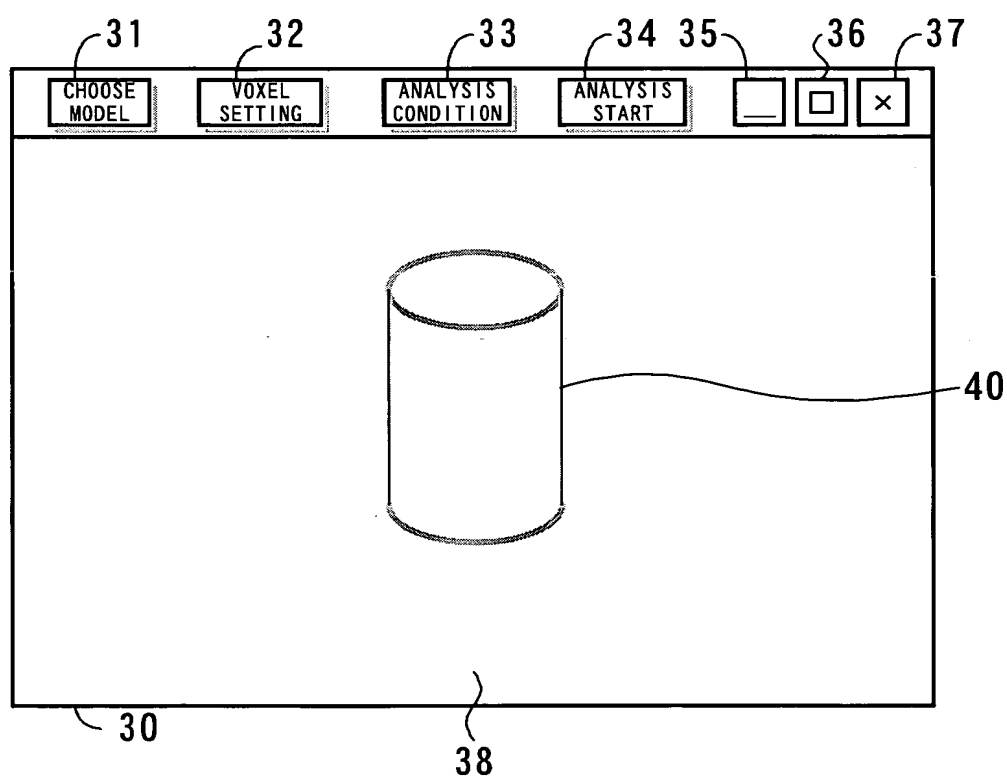


FIG. 8

Figure 1 is a schematic diagram of a computer screen 30 showing a graphical user interface 38. The interface includes a menu bar 31 with buttons 32, 33, 34, and 35 labeled "CHOOSE MODEL", "VOXEL SETTING", "ANALYSIS CONDITION", and "ANALYSIS START" respectively. To the right of these buttons are three icons: a blank box 36, a square box 36, and a cross box 37. The main display area 38 shows a 3D wireframe model of a cylinder 40.

FIG. 9

A graph showing the relationship between the Major Principal Stress (σ) and the Number of Divisions (n). The vertical axis is labeled σ and the horizontal axis is labeled n . A solid curve starts at a low stress value for a small number of divisions and increases, approaching a horizontal dashed line labeled "CALCULATED VALUE". The vertical axis is also labeled "MAJOR PRINCIPAL STRESS" and "THEORETICAL VALUE BASED ON STRUCTURAL MECHANICS".

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FIG. 10

A graph showing the relationship between the Major Principal Stress (σ) and the Number of Divisions (n). The vertical axis is labeled σ and the horizontal axis is labeled n . A solid curve represents the 'THEORETICAL VALUE BASED ON STRUCTURAL MECHANISM'. A horizontal dashed line represents the 'CALCULATED VALUE'. An arrow points from the 'CALCULATED VALUE' label to the peak of the curve.

FIG. 11

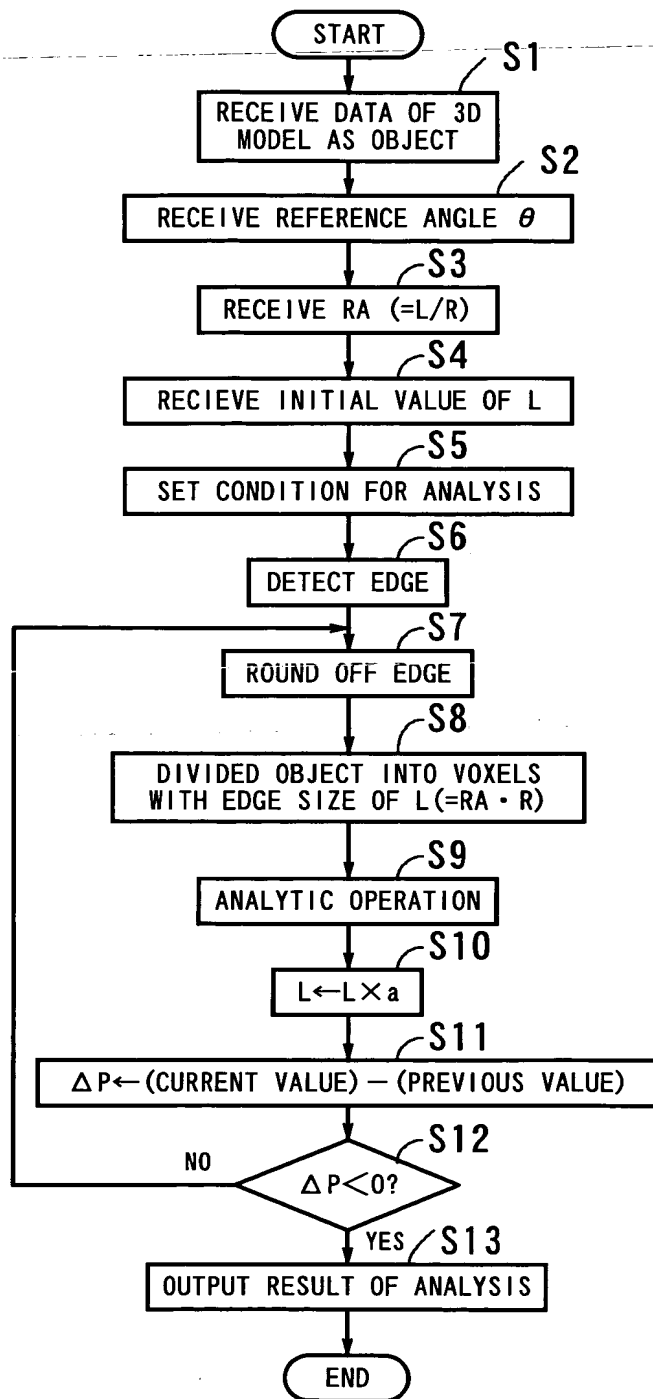


FIG. 12